P7F-M WS

Server-class Stability & Small Form Factor Workstation

- Intel LGA1156 Platform / Intel® 3420 Chipset
- mATX 9.6" x 9.6" small form factor
- PCI-E Gen2 x16 (x16 link) VGA card supported
- ASUS MIO audio card
- Dual Intel server-class Gigabit LAN

Specifications

Processor / System Bus	1 x Socket 1156 Quad Core Intel Xeon 3400 series Server Processor Quad Core Intel Core i7-800 series Desktop Processor★ Quad Core Intel Core i5-700 series Desktop Processor★ Dual Core 32nm CPU design Ready ☆
Core Logic	Intel® 3420 PCH
Form Factor	MicroATX 9.6" x 9.6"
ASUS Features	Rack Ready (Rack and Pedestal dual use) FAN speed control
Memory	**Total Slots:** 4 (2-channel) **Capacity:** Maximum up to 32GB (RDIMM)/ Maximum up to 16GB (UDIMM)* **Memory Type:** DDR3 1066/1333 Unbuffered DIMM with ECC/ non ECC**/DDR3 800/1066/1333 Reg DIMM # **Memory Size:** 1GB 2GB 4GB 8GB (RDIMM)/ 1 GB, 2GB, 4GB (UDIMM)
Expansion Slots (follow SSI Location #)	**Total PCI/PCI-X/PCI-E Slots:** 4 **Slot Location 4:** 1 * PCI 32bit/33 MHz **Slot Location 5:** 1 * PCI 32bit/33 MHz **Slot Location 6:** 1 * PCI-E x16 (x16 link) **Slot Location 7:** 1 * PCI-E x8 (x4 link) (MIO supported)
Storage	**SATA Controller:** Intel® 3420: 6* SATA2 300MB/s ports - Intel Matrix Storage utility supports software RAID 0, 1, 10 & 5(Windows)
Networking	**LAN:** 2 * Intel 82574L
Onboard I/O Connectors	1 x 20-1 Pin TPM Header 1 x PSU Connector 24-pin ATX power connector + 8-pin ATX 12V power connector 2 x USB Connectors (support 4 USB ports) 1 x Fan Header 5* 4pin
Rear I/O Connectors	1 x External Serial Port 2 x External USB Port

	2 x RJ-45 1 x PS/2 KB/Mouse
Monitoring	CPU Temperature FAN RPM
EMI	US (FCC, CFR47 Part 15, Class B) Europe (CE, EN55022 & EN55024) Australia (C-TICK)
Environment	**Operation temperature:** 10℃ ~ 35℃ / Non operation temperature: -40℃ ~ 70℃ **Non operation humidity:** 20% ~ 90% (Non condensing)
Accessories	Standard Gift Box Pack: 1 x User Guide 1 x Support CD 1 x I/O shield 6 x SATA Cable 1 x ASUS MIO Audio Card
Product SKUs	Standard Gift Box Pack with MIO
Note	★ Do not support RDIMM nor UDIMM with ECC ☆Refer to Asus Server CPU AVL for latest update *Desktop Processor do not support RDIMM nor ECC UDIMM ＃Refer to ASUS Server AVL for latest update ※24 + 4 Pin Power Supply Ssupported

- All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.
- PCB color and bundled software versions are subject to change without notice.
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